

## **CONTAMINATION CUM SURVEY METER**

### **SALIENT FEATURES**

- MICRO CONTROLLER BASED • LARGE LCD DISPLAY – 12.5mm • UPTO 500mR/hr • RESOLUTION 10 $\mu$ R/hr • 0 to 100000CPM • 0 TO 100000 COUNTS • LONG BATTERY LIFE • SETTABLE ALARM • GO/NO-GO ALARM LED • LONG BATTERY LIFE (400Hrs) • APPLICATION - EMERGENCY RESPONSE



### **INTRODUCTION**

Portable Contamination Cum Radiation Survey Meter Type PCRM-142L has been designed for emergency response. The unique feature of visual red alarm, alerts the security person immediately in emergency. End window GM Tube is used for this instrument to measure radiation. Cabinet has an arrangement to count  $\beta$  particles.

### **TECHNICAL SPECIFICATIONS**

<b>Radiation Detected Detector</b>	: $\beta$ & $\gamma$ (Beta & Gamma) : Internally mounted end window GM Tube or Detector probe having 1m long cable (areal density $\approx$ 1.5-2.0mg/cm <sup>2</sup> , eff. dia. $\approx$ 0.566", eff. length $\approx$ 1.50")
<b>Doserate Range</b>	: Upto 500 mR/h (resolution 0.01mR/h for below 100mR/h)
<b>Countrate Range</b>	: 0 to 100000 CPM <b>Counts Range</b> : 100000 counts
<b>Accuracy</b>	: $\pm$ 15% $\pm$ 2 count
<b>Display</b>	: 4 Digit 7 segment LCD (0.5")
<b>Chirp</b>	: Buzzer sound per count provided
<b>Indicators</b>	: LEDs to indicate mode, Low bat, x1000, Alarm
<b>Keys</b>	: Chirp On/Off, Mode & Up, Right, Enter buttons to set alarm
<b>Alarm</b>	: Settable upto 50mR/h or 9999 CPM.
<b>EHT (factory set)</b>	: 500V DC approx.
<b>Power</b>	: 5 x 1.5Volts size AA cells
<b>Battery Life</b>	: 400hrs. (Alkaline batteries), 200hrs. (C-Zn batteries) without alarm
<b>Size</b>	: 160mm x 80mm x 40mm approx.

**Note:** All optional items at an extra cost.

Cat. No. PCRM142L/0408

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